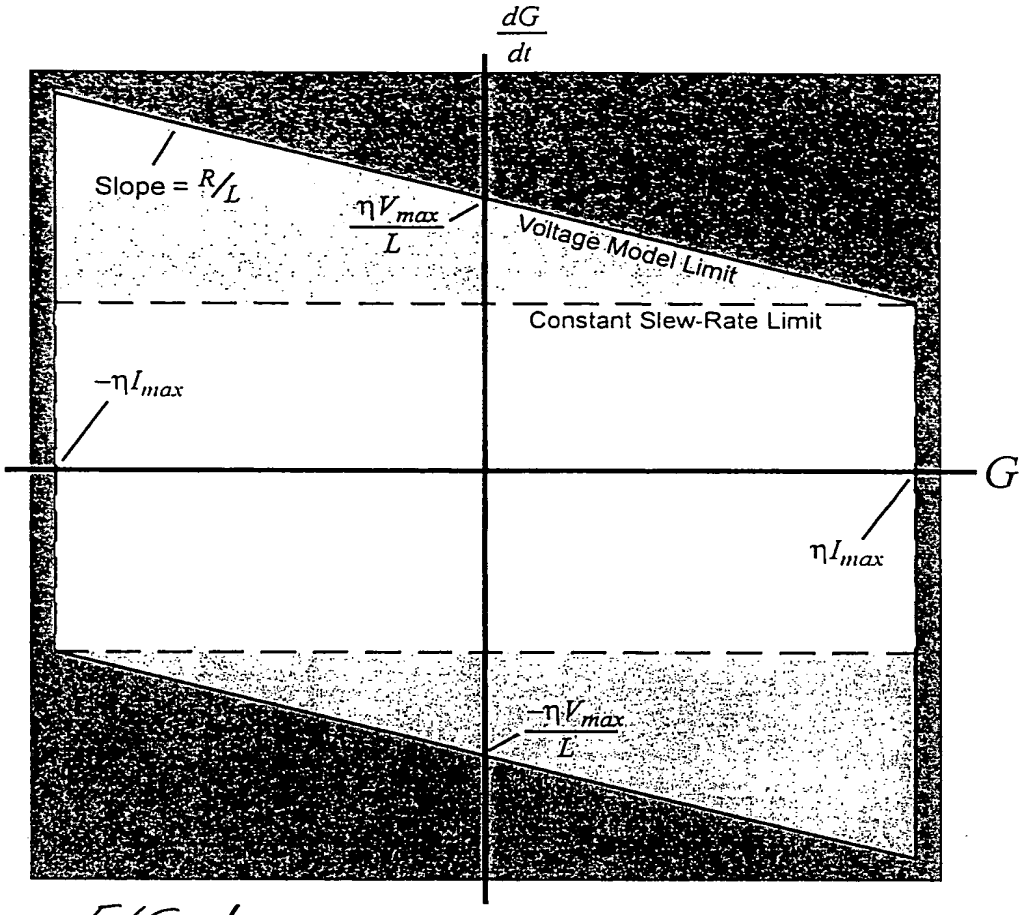

dG/dt
Slope = R/L
ηV_max/L
Voltage Model Limit
Constant Slew-Rate Limit
−ηI_max
G
ηI_max
−ηV_max/L

FIG. 1

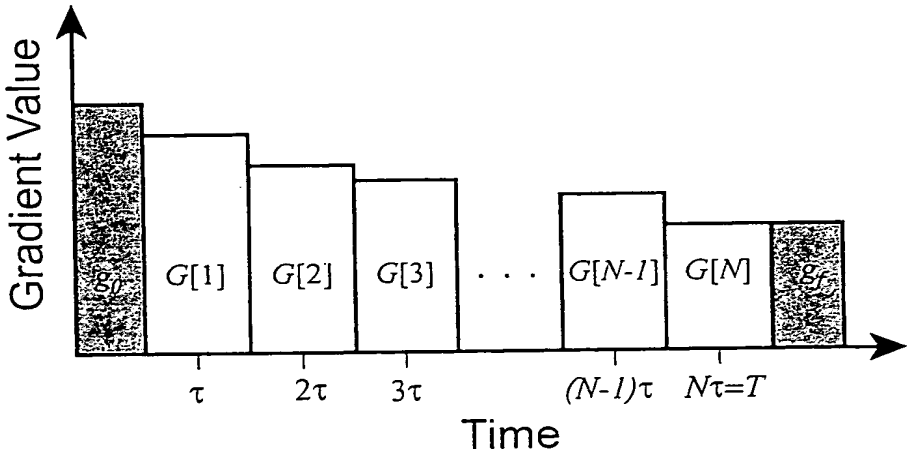

Gradient Value
g_0
G[1]
G[2]
G[3]
. . .
G[N-1]
G[N]
g_f
τ
2τ
3τ
(N-1)τ
Nτ=T
Time

FIG. 2

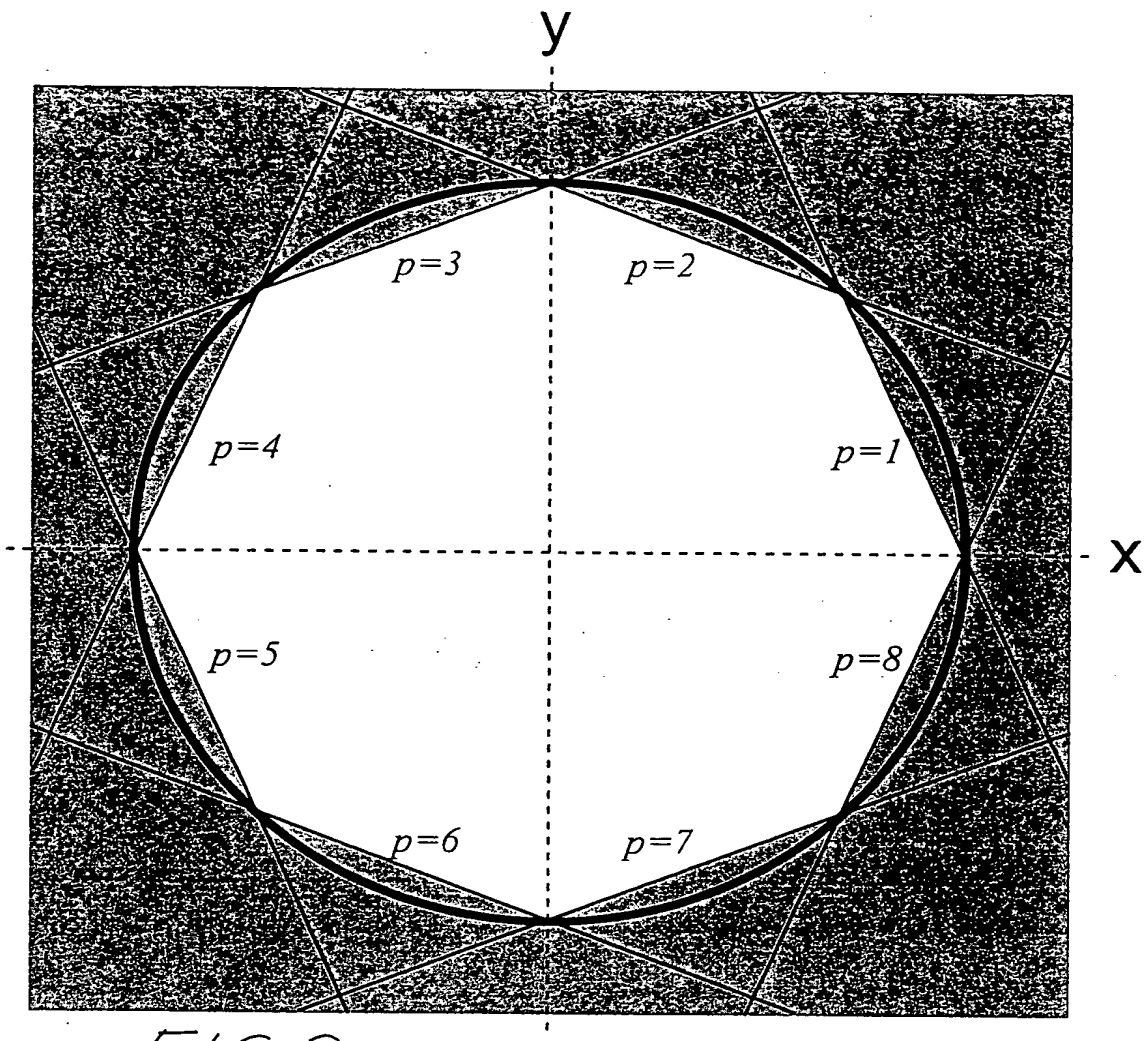


FIG. 3

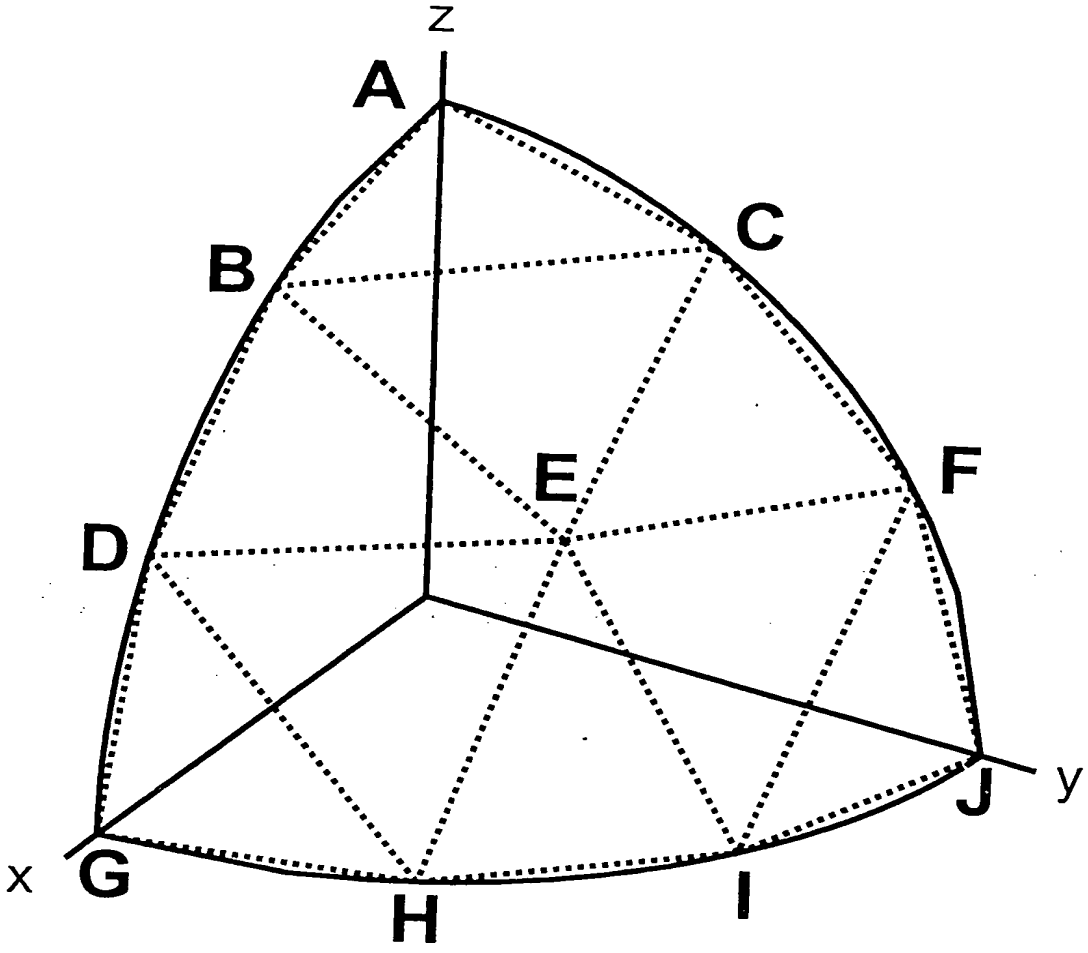


FIG. 4

Fig. 5 a)

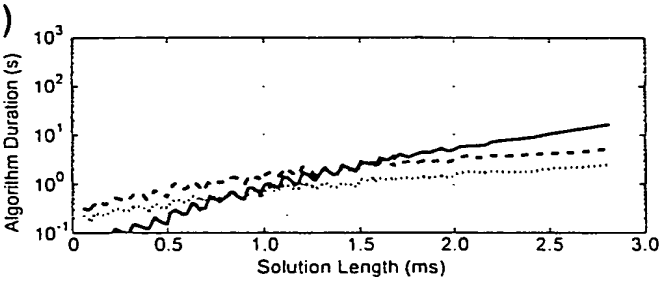


Fig. 5 b)

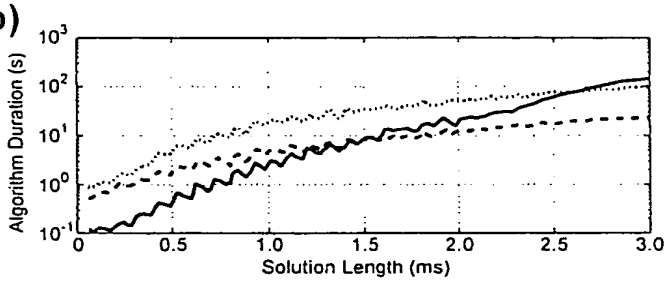


Fig. 5c)

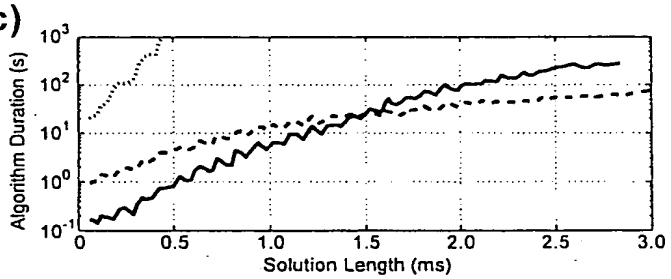


Fig. 6a)

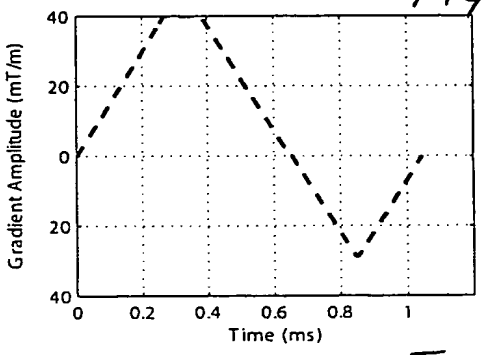


Fig. 6b)

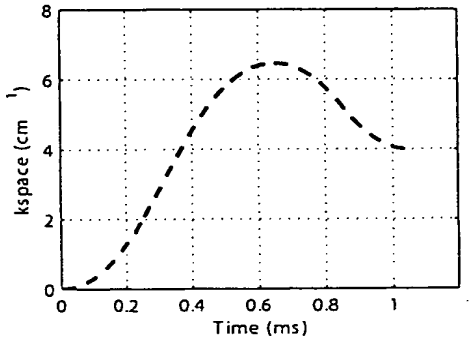


Fig. 6c)

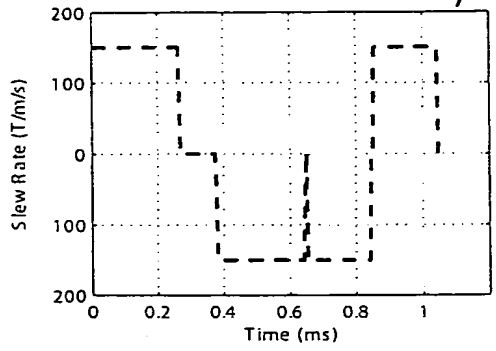


Fig. 6d)

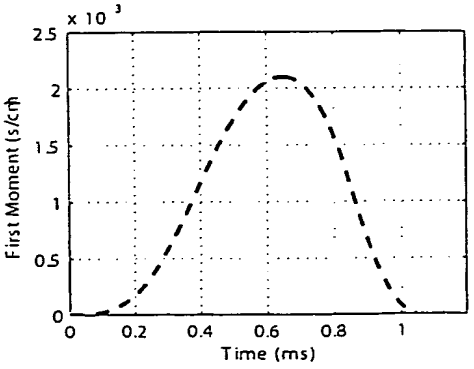


Fig. 7a)

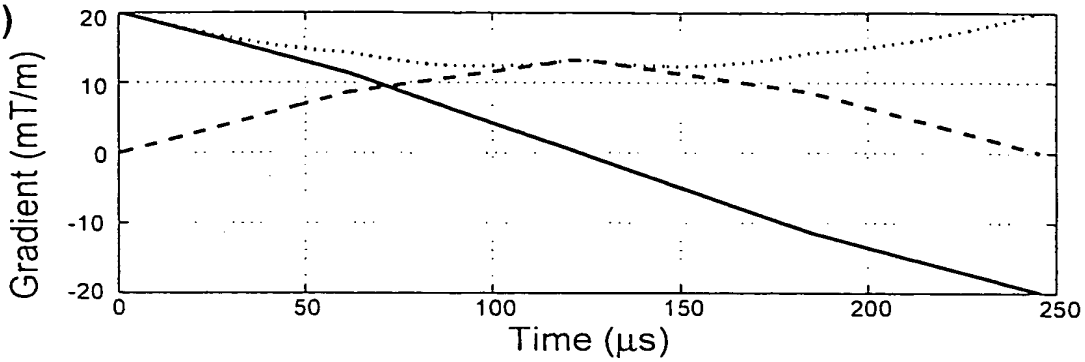


Fig. 7b)

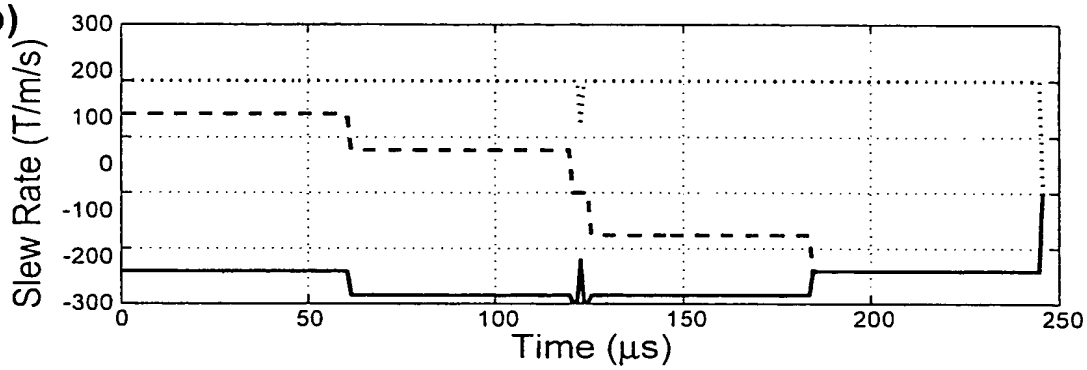


Fig. 8a)

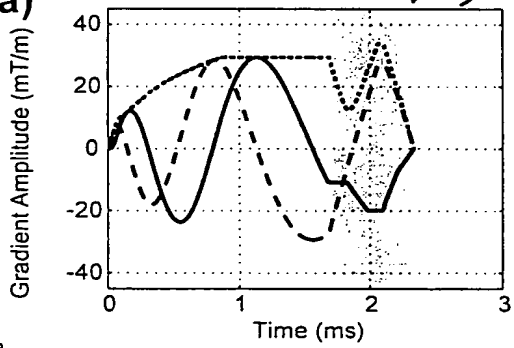


Fig. 8b)

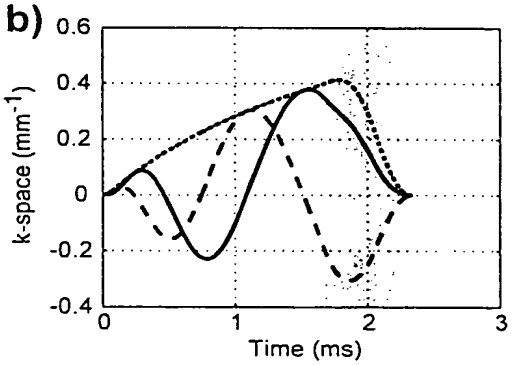


Fig. 8c)

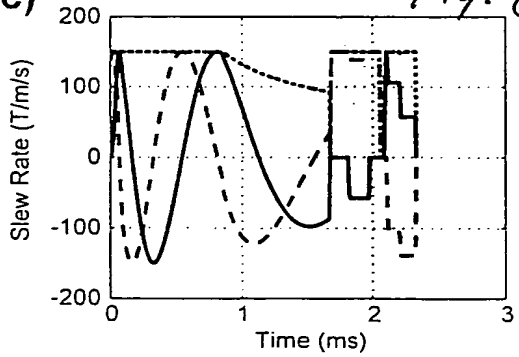


Fig. 8d)

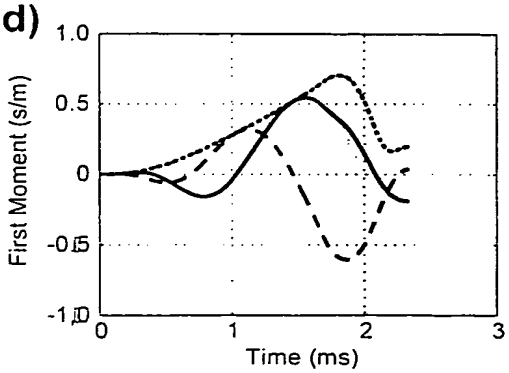


Fig. 9a)

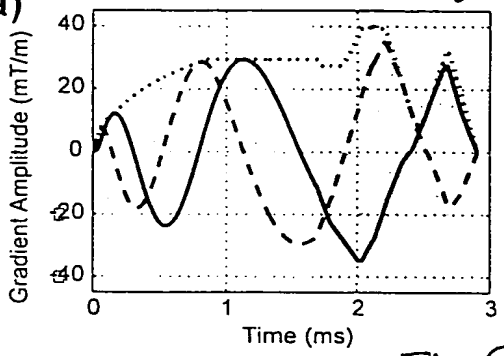


Fig. 9

Fig. 9b)

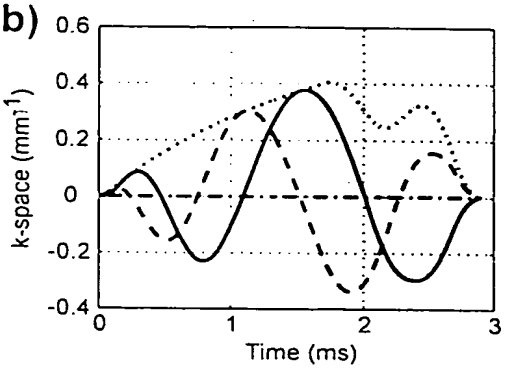


Fig. 9c)

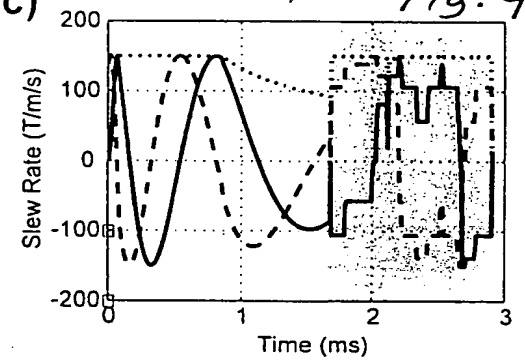


Fig. 9

Fig. 9d)

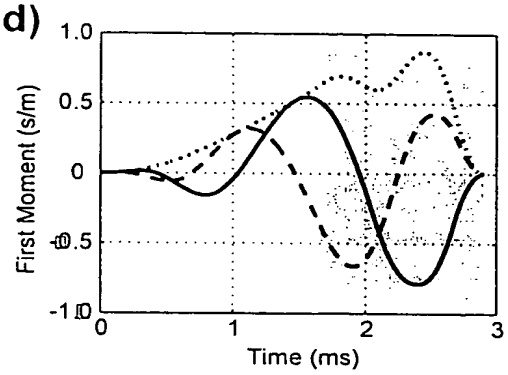


Fig. 10a)

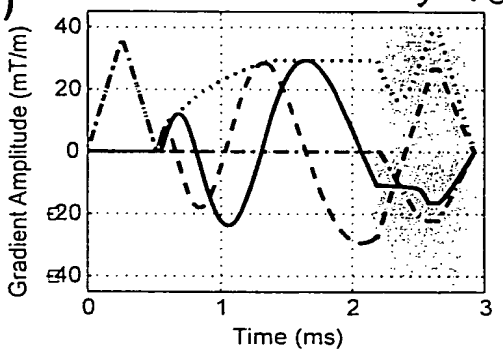


Fig. 10

Fig. 10b)

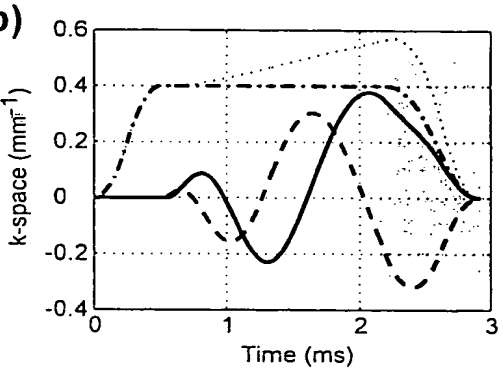
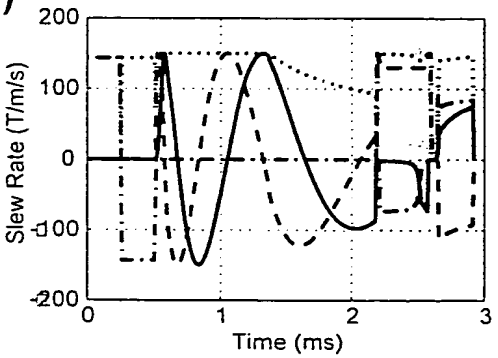


Fig. 10c)



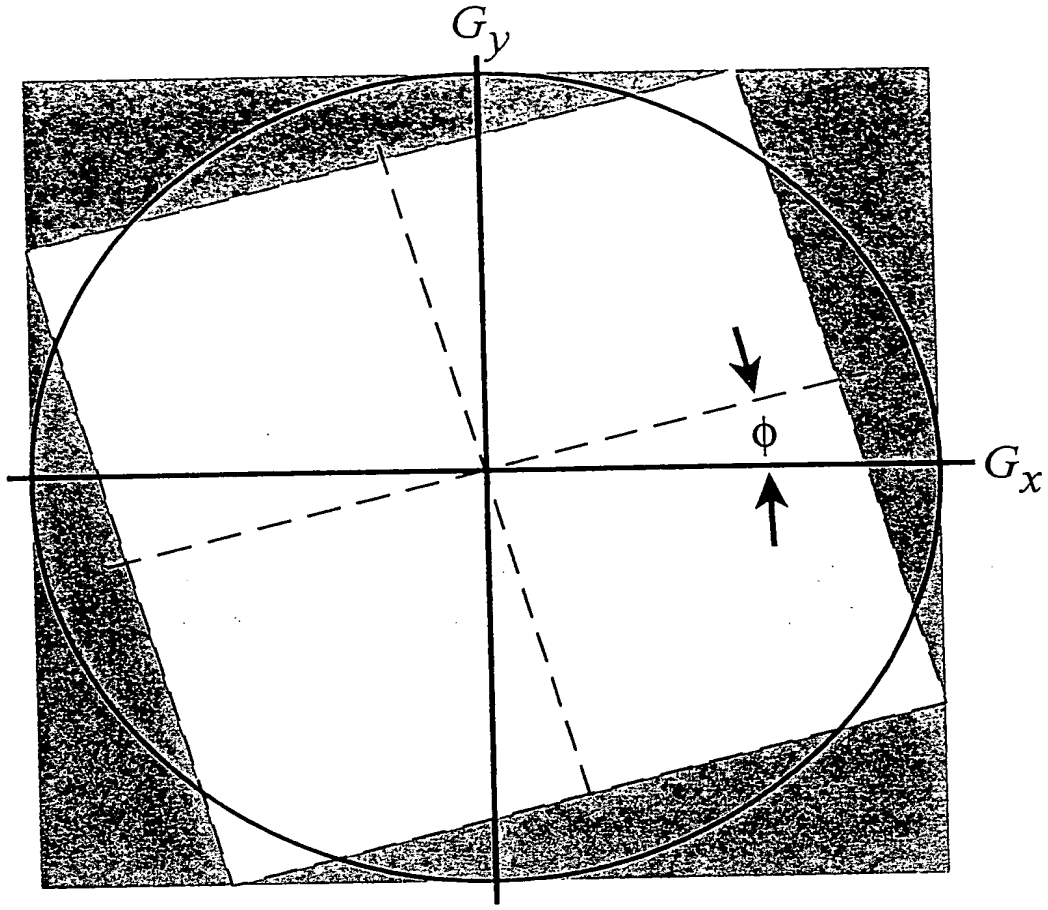


FIG. 11

Fig.12a)

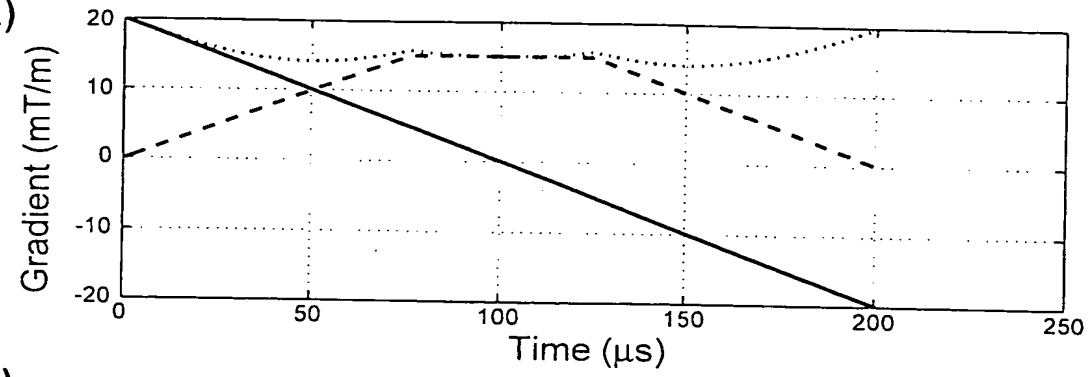


Fig.12b)

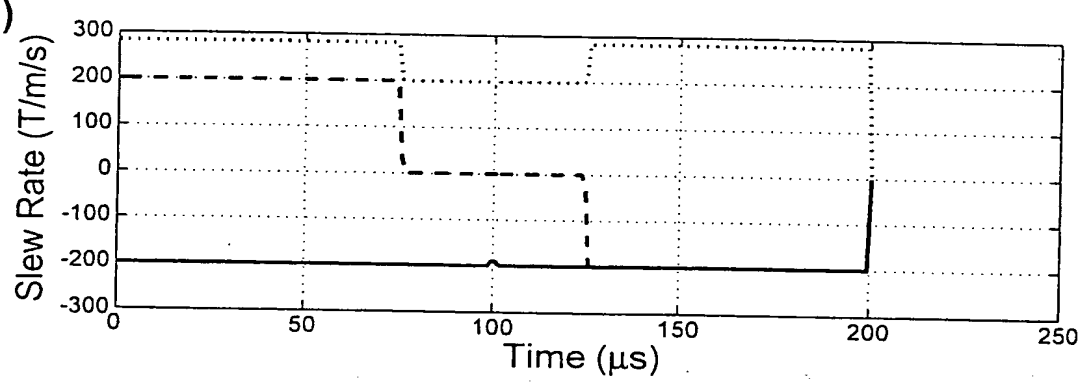


Fig.13a)

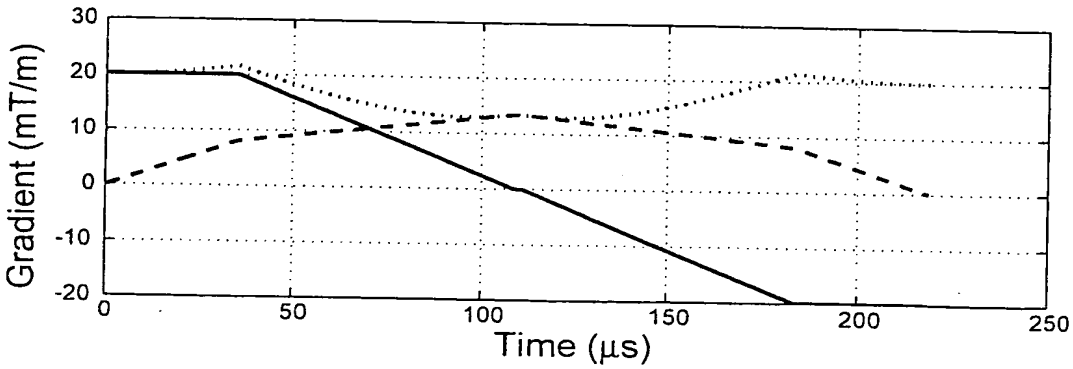
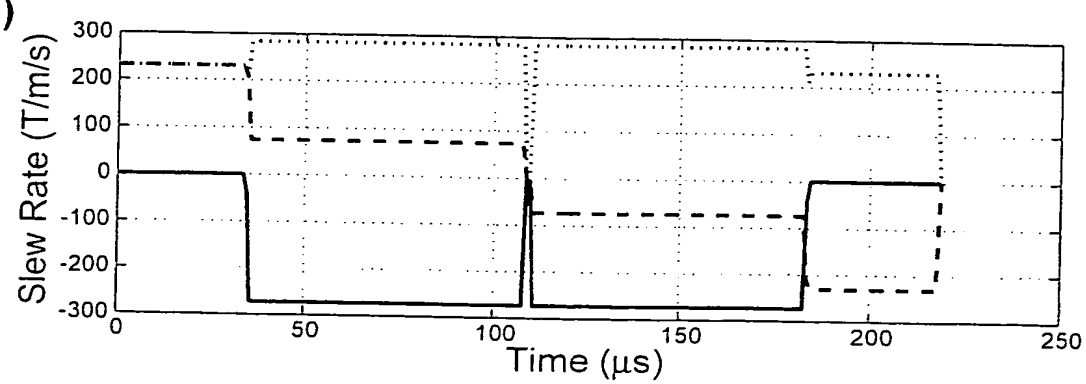


Fig.13b)



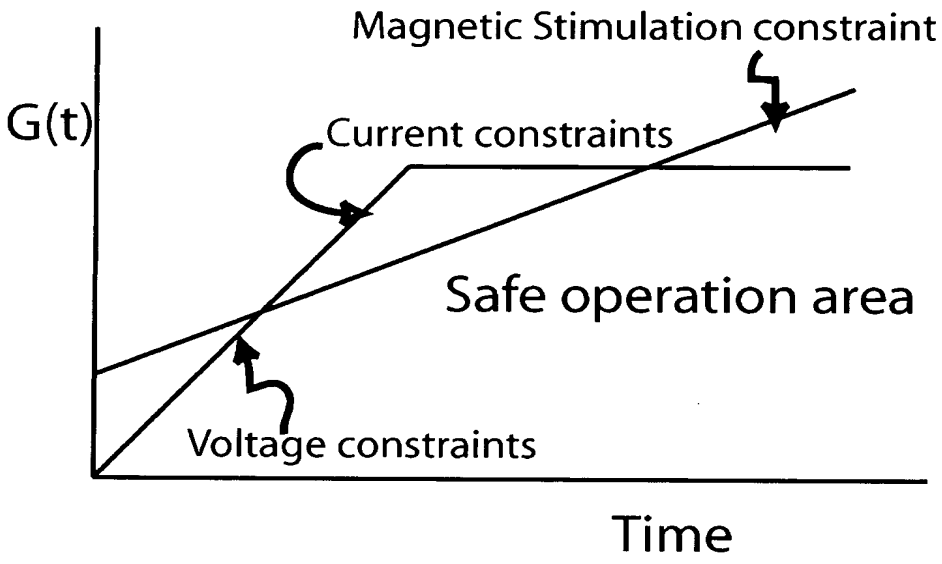

Magnetic Stimulation constraint
G(t)
Current constraints
Safe operation area
Voltage constraints
Time

FIG. 14